(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



100 AB 101 KO 100 AD 100 A

(43) International Publication Date 22 January 2004 (22.01.2004)

PCT

(10) International Publication Number WO 2004/008138 A2

(51) International Patent Classification⁷: Ge

G01N 33/50

(21) International Application Number:

PCT/DK2003/000483

(22) International Filing Date:

9 July 2003 (09.07.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: PA 2002 01091

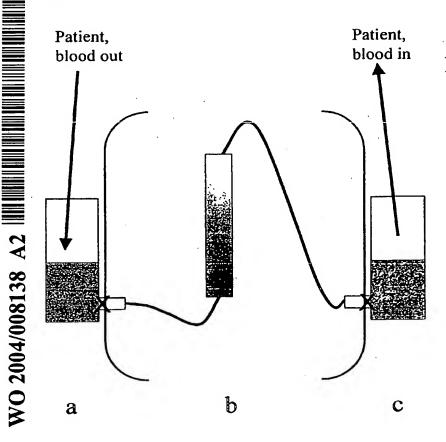
11 July 2002 (11.07.2002) DK

- (71) Applicant (for all designated States except US): UP-FRONT CHROMATOGRAPHY A/S [DK/DK]; Lersø Parkallé 42, DK-2100 Copenhagen Ø (DK).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): LIHME, Allan, Otto, Fog [DK/DK]; Furesøbakken 13, DK-3460 Birkerød

- (DK). HEEGAARD, Peter, M., H. [DK/DK]; Nordborggade 10, 2. th., DK-2100 Copenhagen Ø (DK).
- (74) Agent: PLOUGMANN & VINGTOFT A/S; Sundkrogsgade 9, P.O. Box 831, DK-2100 Copenhagen Ø (DK).
- (81) Designated States (national): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),

[Continued on next page]

(54) Title: AN EXTRACORPOREAL STABILISED EXPANDED BED ADSORPTION METHOD FOR THE TREATMENT OF SEPSIS



(57) Abstract: The present invention provides an extracorporeal adsorption method for removing harmful substances from blood in a way that is practicable in everyday clinical practice and applicable for the timely intervention to present the development of sepsis. Said extracorporeal adsorption method being effected by an adsorption column assembly where the adsorption column assembly comprising a column and an adsorption medium in the form of particles. The sedimented volume of said particles being at the most 80% of the volume of the column.